		BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB	RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR		
LLL	HH				
LLL	III	BBB BBB BBB	RRR RRR	111	iii
illillillillill	1111111111	BBBBBBBBBBB	RRR RRR	TTT	IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
LLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLL		88888888888 88888888888	RRR RRR	III	

LI

....

01

000000 00 00 00 00		\$
		\$

VV VV VV VV VV VV

VV

2222222

D 1 OTS\$CVTPD_R9
Table of Contents 16-SEP-1984 00:25:19 VAX/VMS Macro V04-00 Convert Packed to Double Page HISTORY DECLARATIONS OTS\$CVTPD_R9 ; Detailed Current Edit History

MODIFIED BY:

01

S

01

PS -

\$1

Ir Co Pa S) Pa S) Ps Cr As

81 TH 17

19 TH 0TS\$CVTPD_R9

01

```
H 1
OTSSCVTPD_R9
                                          Convert Packed to Double OTS$CVTPD_R9
                                                                                                                             VAX/VMS Macro V04-00
[LIBRTL.SRC]OTSCVTPD.MAR;1
                                                                          .SBTTL OTS$CVTPD_R9
                                                               FUNCTIONAL DESCRIPTION:
                                                                         Converts packed numbers to double floating.
                                                                 CALLING SEQUENCE:
                                                                          JSB OTS$CVTPD_R9 (scale.rl.v, srclen.rl.v, src.rp.r, dst.wd.r)
                                                 Arguments are passed in R6, R7, R8 and R9.
                                                                  INPUT PARAMETERS:
                                                                                                         The power of ten by which the internal representation of the source must be multiplied to scale the same as the internal representation of the dest. The number of digits in the source
                                                                          SCALE. PL.V
                                                                          SRCLEN.rl.v
                                                                          SRC.rp.r
                                                                                                         The number to be converted
                                                                 IMPLICIT INPUTS:
                                                                         All of the trap bits in the PSL are assumed off.
                                                 0000
                                                                  OUTPUT PARAMETERS:
                                                 0000
                                                 ÖÖÖÖ
                                                                         DST.wd.r
                                                                                                        The place to store the converted number
                                                 0000
                                                 0000
                                                                 IMPLICIT OUTPUTS:
                                                 0000
                                                 0000
0000
0000
                                                                         NONE
                                                                 FUNCTION VALUE:
                                                                         1 = SUCCESS, 0 = FAILURE
                                                                 SIDE EFFECTS:
                                                                         Destroys registers RO through R9.
                                                               OTS$CVTPD_R9::
COB$CVTPD_R9::
                                           68
                                                                                   #40,SP
R7,(R8),#31,8(SP)
                                                                                                                   ; Space for temp string and result ; Make a separate sign string
                       1F
                                                                 Make a descriptor for the leading separate string.
                                           90
90
90
80
                                                                          PUSHL
                                                                                                                      Address = temp string
                                                                          MOVB
                                                                                                                      Class = static
```

MOVB MOVW : Data type = ASCII text : Length = 32 bytes

Page

OTSSCVTPD_R9

```
01
```

```
OTS$CVTPD_R9
                                                                                                            16-SEP-1984 00:25:19 VAX/VMS Macro V04-00 6-SEP-1984 11:13:14 [LIBRTL.SRC]OTSCVTPD.MAR;1
                                               Convert Packed to Double
                                                                                                                                                                                      Page
Symbol table
                                                 00000000 RG
00000001
0000000E
00000000 RG
COBSCVTPD_R9
                                                                       02
DSCSK_CLASS_S
DSCSK_DTYPE_T
OTSSCVTPD_R9
                                              =
                                              =
                                                                       00
OTSSCVT_T_D
                                                 ******
                                                                          Psect synopsis
PSECT name
                                               Allocation
                                                                             PSECT No.
                                                                                             Attributes
                                               00000000
00000000
0000003C
                                                                                     0.)
                                                                                             NOPIC
                                                                                                                                                  NOEXE
EXE
EXE
    ABS
                                                                                                                                                                            NOVEC BYTE
                                                                                                                                    LCL NOSHR
                                                                                             NOPIC
                                                                                                                          ABS
SABS$
                                                                                                         USR
                                                                                                                  CON
                                                                                                                                    LCL NOSHR
                                                                                                                                                                       WRT
_OTS$CODE
                                                                                                         USR
                                                                                                                                            SHR
                                                                                                                                                                    NOWRT NOVEC LONG
                                                                     Performance indicators !
Phase
                                     Page faults
                                                           CPU Time
                                                                                 Elapsed Time
                                                           00:00:00.04
00:00:00.31
00:00:01.14
00:00:00.32
00:00:00.01
00:00:00.02
00:00:00.00
                                                                                 00:00:01.99
00:00:03.23
00:00:04.85
00:00:00.11
Initialization
Command processing
Pass 1
Symbol table sort
Pass 2
                                                                                  00:00:01.94
Symbol table output
Psect synopsis output
                                                                                  00:00:00.01
                                                                                 00:00:00.02
Cross-reference output
Assembler run totals
```

The working set limit was 1050 pages.
8117 bytes (16 pages) of virtual memory were used to buffer the intermediate code.
There were 10 pages of symbol table space allocated to hold 134 non-local and 2 local symbols.
174 source lines were read in Pass 1, producing 10 object records in Pass 2.
8 pages of virtual memory were used to define 7 macros.

! Macro library statistics !

Macro library name

Macros defined

_\$255\$DUA28:[SYSLIB]STARLET.MLB;2

4

190 GETS were required to define 4 macros.

There were no errors, warnings or information messages.

MACRO/ENABLE=SUPPRESSION/DISABLE=(GLOBAL, TRACEBACK)/LIS=LIS\$:OTSCVTPD/OBJ=OBJ\$:OTSCVTPD MSRC\$:OTSCVTPD/UPDATE=(ENH\$:OTSCVTPD)

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